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CHRD/No. 6351

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JPRS 20383

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G. B. Arzumanyan, et al, 10 pp. 48
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Gosudarstven Univ imeni V. I. Lenina,
No 221, 1961, pp 43-52.
JPRS 24842

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Sci - Phys

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Non-Destructive Inspection of Iron and Porcelain
With Cobalt-60 and Betatron, by T. Asada,
A Takiyara, H. Ito.

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pp 201, 202, published 1962.

*AEC

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SCATTERING OF γ -RAYS IN A SHIELD LABYRINTH.
[1962] 11p.
Order from ATS \$16.90 ATS-36P61]

Trans. of Nihon Genshiryoku Gakkaishi (Japan) 1960,
v. 2, no. 5, p. 245-252.

DESCRIPTORS: Shielding, Electromagnetic shielding,
*Scattering

1. Title: Zeta rays
2. Title: Shield labyrinth
- I. Asada, T.
- II. Kikuchi, R.
- III. ATS-36P61]
- IV. Associated Technical
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Izv. Vysshikh Uchebn. Zaved., Mat., No. 4 (11), 21-26
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Determination of the Domain of Convergence of
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EFFECT OF THE COPOLYMERIZATION OF FATTY
ACID VINYL ESTERS WITH VINYL CHLORIDE.
Pt. 4 of Studies on Fatty Acid Vinyl Esters. [1963]
14p. 11 refs.
Order from SLA \$1.60

I. Asahara, S.
II. Mitsuhashi, K.
III. Title: Studies ...

Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65,
no. 2, p. 289-292.

DESCRIPTORS: *Plasticizers, *Fatty acids, Vinyl
radicals, Esters, *Polyvinyl chloride, *Vinyl
chlorides, *Copolymerization, *Phthalates, Fibers
(Synthetic), Molecular structure.

Several fatty acid vinyl ester-vinyl chloride copoly-
mers were prepared and their internal plasticizing
effects were deduced from their fusion points and
(Materials--Plastics, TT, v. 10, no. 5) (over)

A542726

Office of Technical Services

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HALOGENATION OF ALKYL HALIDES: THE HEAT
DECOMPOSITION OF BORIC ESTER. [31 Oct 62] [8p]
Order from SLA \$1.10 TT-64-14355

Trans. of Kogyo Kagaku Zasshi (Japan) 1952, v. 55,
p. 589-591. (Abstract available)

DESCRIPTORS: *Alkenes, Synthesis (Chemistry),
Halides, *Bromides, *Chlorides, *Boric acids,
Esters, Pyrolysis, Molecular isomerism.

In dehalogenating primary alkyl bromides and chlorides
the product collected is mainly olefine and some
yolefine by-product is obtained. In the synthesis of
dehalogenated compounds from primary alkyl bromides
and chlorides, alcoholic potash or NaOH in an alcoholic
solution will only give poor results. However, when
catalysts such as PbO, CaO, or pyridine is used excel-
(Chemistry--Organic, TT, v. 11, no. 11) (over)

TT-64-14355

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II. Title: Dehalogenation...
III. Title: Heat...

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T. Asahara

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Synthesis and Structure of Dodacylbenzene,
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Studies on the High Aluminous Minerals. 1. Thermal
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Asahara, Minoru Imaoka, 9 pp.

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Sci - Minerals/Metals
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Shitomi.
POLYGLYCOLIDE SYNTHESIS REACTION. Rept. 1
[of] Studies on Aliphatic Polyesters. [1963] 14p 5refs
Order from ILLA \$1.60 63-18902

Trans. of Kogyo Kagaku Zasshi (Japan) 1963, v. 66,
no. 4, p. 485-489.

DESCRIPTORS: *Glycolic acids, Anhydrides, Poly-
merization, Dehydration, *Chloroacetic acids,
Catalysts, Antimony compounds, Oxides, Potassium
compounds, Bromides, Reaction kinetics, *Polyester
plastics, Synthesis (Chemistry).

The polyglycolide, which is derived from the most
simple aliphatic hydroxy acid, glycolic acid, was
studied in order to probe raw materials for its produc-
tion and to determine the reaction velocity and reaction
(Materials--Plastics, TT, v. 10, no. 11) (over)

63-18902

I. Title: Polyglycolide
I. Asahara, T.
II. Yamashita, K.
III. Katayama, S.
IV. Title: Studies...

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Office of Technical Services

SUBSIDENCE OF MIYAKO-JIMA, BY OSAKI ASAHI.
JAPANESE, PER, ZISIN, VOL X, NO 9, 1938.

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SCI - ENGR

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Studies on Sleep. II. Paradoxical Phase (P.P.)
and Reverse Paradoxical Phase (R.P.P.) in Human
Subjects, by K. Asahina.
JAPANESE, prer, Journal Physiol Society Japan,
Vol XXIV, 1962, pp 443-450.
NIH 7-25-64

Sci - Biol & Med
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Dielectric Properties of Polyvinyl Chloride
Prepared at Low Temperature, by M. Asahina,
T. Tabata, 6 pp.

JAPANESE, per, Kobunshi Kagaku, Vol XVII, No 181,
1960, pp 325-328.

ATS-96H4J

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Vol 4, No 12.

Drawing of Polyvinylchloride Polymorized
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Parts 1 and 2.
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pp 813-821.
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NIH Tr 4-35

SLA 58-782

Sci - Med

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pounds, by C. Shimada and T. Asahina, 13
pp.

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SLA 57-2622

Sci

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Tropane, by Y. Asakura, et al.
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FI-Japan

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centrated Solutions of High Polymers. [1962] 8p.
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Trans. of Kobunshi Kagaku (Japan) 1962, v. 19, no.
201, p. 19-24.

DESCRIPTORS: *Polymers, Solutions, *Cyclohexanones,
*Vinyl chlorides, Chemical properties, Chlorides,
Vinyl radicals.

ATS-JJ-3600

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- I. Asai, H.
- II. Title: Properties ...
- III. ATS-56P64J
- IV. Associated Technical
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EIA TT-66-10617

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Acrylonitrile, by Makoto Tanaka, Seiji Arai,
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No 11, 1959, pp 1786-1788.

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THE PRODUCTION OF ALPHA-KETOGLUTARIC ACID
AND PYRUVIC ACIDS BY *PSEUDOMONAS* AND
SERRATIA. [1963] 14p. 22 refs.
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Trans. of [Nihon Nogei-Kagakkai Shi (Japan) 1952, v. 26,
p. 528-533].

DESCRIPTORS: *Bacteria, Oxidation, *Metabolism,
*Pseudomonas, *Serratia, *Pyruvic acid, *Glutaric
acids, *Carbonyl radicals, Chemical reactions,
Culture media, Paper chromatography.

By shaking culture, a confirmation was made that
Pseudomonas 33F produced α -ketoglutaric acid and
that *Serratia marcescens* No. 18 also produced this
acid via 2-ketogluconic acid. From 7.64% glucose
solution containing 0.1% ammonium sulphate and
other mineral salts, *Pseudomonas* 33F and
(Biological Sciences--Biochemistry, TT, v. 10, no. 5)
(over)

63-14629

I. Asai, T.
II. Aida, K.
III. Title: Production . . .

A242712

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RHH 7-23-64

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Aug 64

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Synthesis of Amines Having a Formyl Group.
Report No 1, Synthesis of Formyl Phenacetyl
Tropine, by Y. Asahina, H. Hagan.
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NIL Ref: 3544 1963 (T 86 J)

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June 66

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1962, OCT, PP 1-26.

JPRS 17622

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FEB 63

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Problems of the 1960 Summer Yields in Communist
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NO 162, 30 OCT 1961, PP 1-29.

JPRS 12253

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Role of Agricultural Loans in Natural Disaster
Areas in Communist China, by Asakawa Kenji,
7 pp.

JAPANESE, per, Ajia Keizai Jumbo, No 2471.
21 Jun 1961, pp 1-7.

JPRS 10584

KEIA - China

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Econ

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Demand for Tractors and Their Production; by
Kenji Asakawa, 16 pp.

JAPANESE, per, Asia Keizai Junpo, No 473,
11 Jul 1961, pp 1-10.

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Agricultural Production in China During the First
Half of 1959, by Kenji Asakawa, 11 pp.

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Jan 60

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Aspergillosis in Penguins at Ueno Zoo. I. On Treatment
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10 pp.

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Scientific Rpt of Ueno Zoo Gardens), No 1, 20 May
1955, pp 23-31.

NIH Tr No 1211

Scientific - Biology

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Asakura, T.

DIFFRACTION PATTERNS OF APERTURES WITH
NON-UNIFORM PHASE AND AMPLITUDE DISTRI-
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[1963] 15p.

Order from ATS \$15.40

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DESCRIPTORS: *Diffraction analysis.

(Physics--Solid State, TT, v. 10, no. 6)

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- I. Title: Wiener problem
- I. Asakura, T.
- II. ATS-88Q68J
- III. Associated Technical
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- IV. Title: Wiener ...

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Electron Microscopic Studies on Dental Caries and Its Prevention. Report No IV. Microstructure of Mottled Teeth, by Shozaburo Takuma, Hiroshi Ugai, Eizo Onishi, Takumi Asami, 3 pp.

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Scientific - Medicine

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Linseed Cake, by G. Tomoda, Y. Asami, 4 pp.

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Scientific - ~~255816~~ Chemistry

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Working Capital in Ferrous Metallurgy, by
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JPRS 24318

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May 64

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Heterocyclic Compounds. Synthetic Anesthetics.
Synthesis of Benzoic Esters of 1-n-Propyl-and
1-n-Butyl-2,5-Dimethyl-4-Ethyl-4-Piperidols, by
A. Sh. Sharifkanov, I. V. Bessonova, A. Asanbekova,
3 pp.

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RE - JAPAN
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Effect of Molybdenum, Manganese and Silicon
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Silicon-Chrome, Molybdenum Steels With Re-
duced Carbon, by E. Asano, T. Ishida, H. Tan.

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Sci-Min/M-t
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M. Naguchi, H. Asano, 17 pp.

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NIH 3-8

Sol. - Chem

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The Natural Enemies of Cockroaches, by
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Sci

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Chemical reaction for the extraction of Uranyl
nitrate and Nitric Acid by Organophosphorus
Compounds, by Tetsuji NISHII, Mitsuru ASANO, 24 pp.
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ADN 113 11-19

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Sci. Chemistry
Jul 197

61-10737	
Asano, N. and Nojima, S. REDUCTION OF MAGNETITE BY COPPER MATTE, REPT. 1. [1961] [12]p. 15 refs. Order from SLA \$1.60	I. Asano, N. II. Nojima, S.
Trans. of [Nihon Kogyo Kaishi] (Japan) 1958, v. 74, no. 838, p. 249-252.	
DESCRIPTORS: *Magnetite, Reduction *Copper, *Ores, Processing, *Smelting.	
Mixtures of magnetite and copper mattes of various composition were melted in a silica tube. The amounts of SO_2 formed by the reaction, and the composition of the samples were determined. When the copper matte was saturated with Fe_3O_4 , the magnetite was rapidly reduced, but when unsaturated the reduction reaction proceeded slowly.	
(Engineering--Chemical, TT, v. 6, no. 3)	Office of Technical Services

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Dec 1957, pp 6-12.

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Sci + Biol

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Asano, Toshito.
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DISEASE, tr. by W. Himel. Rept. no. 10 of Summary
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3p.
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